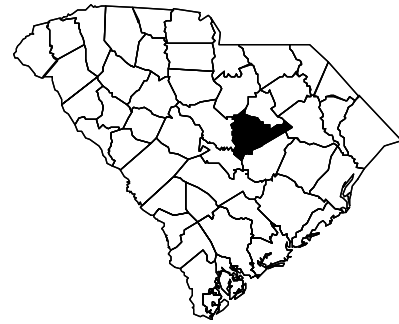


# ASTHMA IN SUMTER COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

May 2003

## Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

- In 2001, there were 120 asthma hospitalizations of children (<18 years) in Sumter county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Sumter county had a rate of 87 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

## Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2001, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

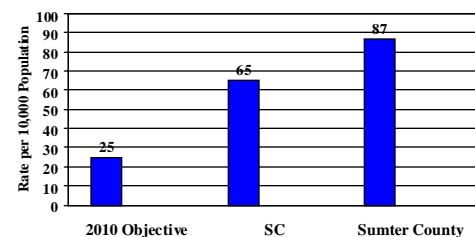
## Impact of Asthma in Sumter County

- About 3,544 (3.4%) adults in Sumter county suffer annually from asthma.
- In 2001, there were 168 hospitalizations for asthma in Sumter county for all ages.

## Children Suffer the Most from Asthma

- Asthma/Bronchitis is the leading cause of hospitalization in Sumter county for children under the age of 18.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Sumter County, 2001

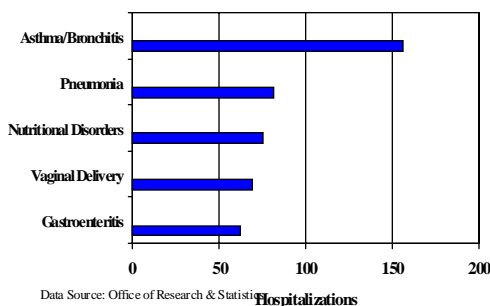


Data Source: Office of Research & Statistics

## Cost of Asthma

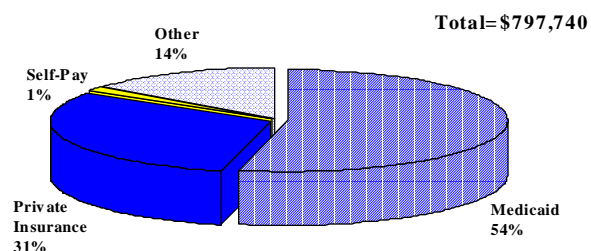
- \$797,740 was charged in 2001 for hospital and ER visits in Sumter county for asthmatic children (<18 years).
- Medicaid covered nearly 54% of these charges.

Leading Causes of Hospitalization in Children Aged 0-18, Sumter County, 2001



Data Source: Office of Research & Statistics

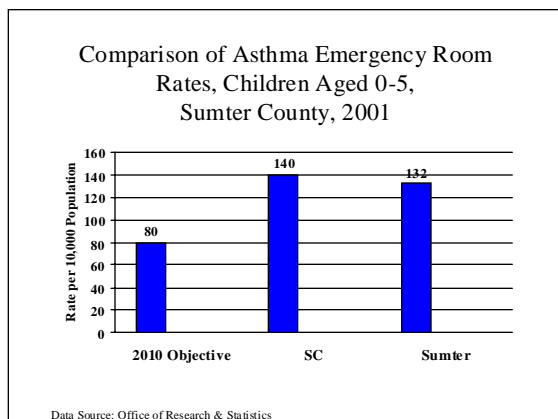
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Sumter County, 2001



Data Source: Office of Research & Statistics

## Emergency Room

- 305 children under the age of 18 visited the ER due to asthma in Sumter county in 2001. This represents 47% of all ER visits due to asthma.
- \$211,220 was charged for ER visits in Sumter county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Sumter county had an ER rate of 132 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

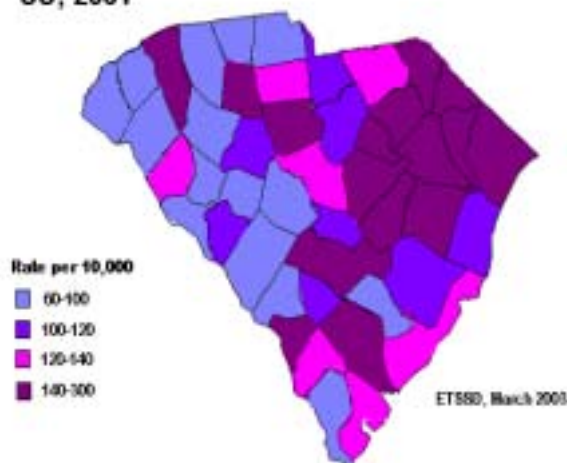


## Disparities

- Non-white children under the age of 18 visit ER much more frequently than white children in the same age group.
- The hospitalization rate among non-white children is one and half to four times as often as white children.

Hospital and Emergency Room Rates per 10,000 Children (<18 years), 2001				
	Sumter County		South Carolina	
	White	Non-white	White	Non-white
Hospital	27.3	49.8	19.2	41.5
ER	39.7	150.6	46.0	155.5

## Asthma Related Hospital and ER Visits Rate for Children Younger than 18 SC, 2001



### For more information on asthma contact:

SC DHEC Data Sources:

#### Behavior Risk Factor Surveillance System

Bureau of Epidemiology  
(803) 545-4920

#### Vital Records

Division of Biostatistics  
(803) 898-3649

#### Bureau of Air Quality

Outreach Section  
(803) 898-4467

[www.scdhec.net](http://www.scdhec.net)

Generated By:

Epi Technical Support and Services Division  
Bureau of Epidemiology

### Hospital discharges and ER visits, contact:

Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958



[www.orss.state.sc.us/hd/](http://www.orss.state.sc.us/hd/)

